

ThumbsUp/Down Listeners

From the review I learned about an interesting caveat in Android studio involving the formatting of Strings, and that the code I had chosen for review needed to be cleaner with more comments.

In some places my code had unused variables, commented-out code with no explanation, and a lack of comments for anyone trying to understand the implementation of the `onClick()` functions and the private helper classes in each class.

I removed the commented-out code and unused variables and added comments in the places that came up in review.

David also noticed that there was an IDE warning in a place where I was concatenating an `int` with a `String` to generate a `String` value of the `int`. The warning said to use `String.format()` to generate the `String`. I learned that errors can occur when doing this kind of type conversion if the Android “Locale” changes from one used in development. I figured that this means the old implementation may have caused our app to fail if the user’s device has a default language that is not English, which I thought was interesting. I changed the code to use `String.format()`, using the default `Locale`, which selects the default `Locale` set by the user on her device.

WMBController/OBAController

Following my code review by Daniel, the latter file no longer exists. The logical separation of the two seemed beneficial in the early parts of the project, but was not meaningful enough to make those who use the code keep track of what functions would be in which. This became clear earlier in the project when I stopped adding functions to the `OBAController` that might have belonged there and instead put them in the `WMBController`, but I delayed moving those already written until now.

There were countless unused imports that I finally deleted and several uncommented methods, both of which have been corrected. There was also a method returning a set, according to a spec written in the early weeks of the project, which was immediately converted to a list in every place it was used so that entries could be sorted. The method now returns a list.

NeighborhoodAlert.

Changes were made as follows: Added comments to both constructors, explaining why both are necessary and how they differ in their function. Added separate checks for `IllegalArgumentException` in the constructor and gave a message stating exactly which argument was bad and how it was bad. I also made this change in the superclass, `Alert.java` and its constructors. Changed all instances of `WMBController` to be `final`; it was to be `final` originally and got left out in several places. Uncommented several lines of code in `checkRep()`, they were commented so the program wouldn’t crash while the implementation was not complete yet. Added calls to `checkRep()` whenever the state of the object changed. Changed `getRoutesAffected` to return a deep copy `ArrayList` every time so modularity was not violated. Updated `invariant` to fit both constructors. Added `@throws` comments to the second constructor. Added comments to the `onResponse` and `onFailure` methods of all new `Callbacks` that were created in this module.